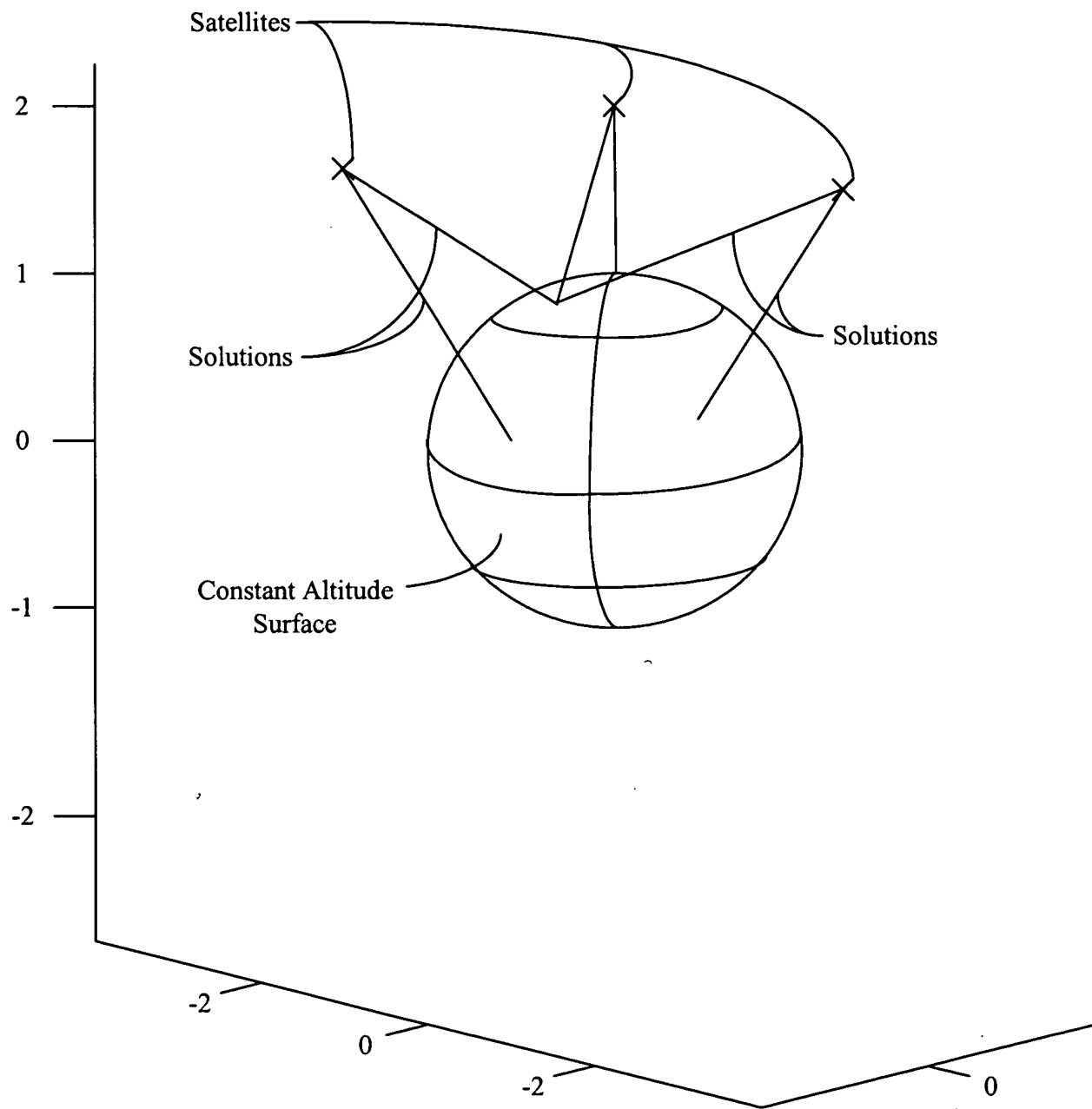




FIG. 1



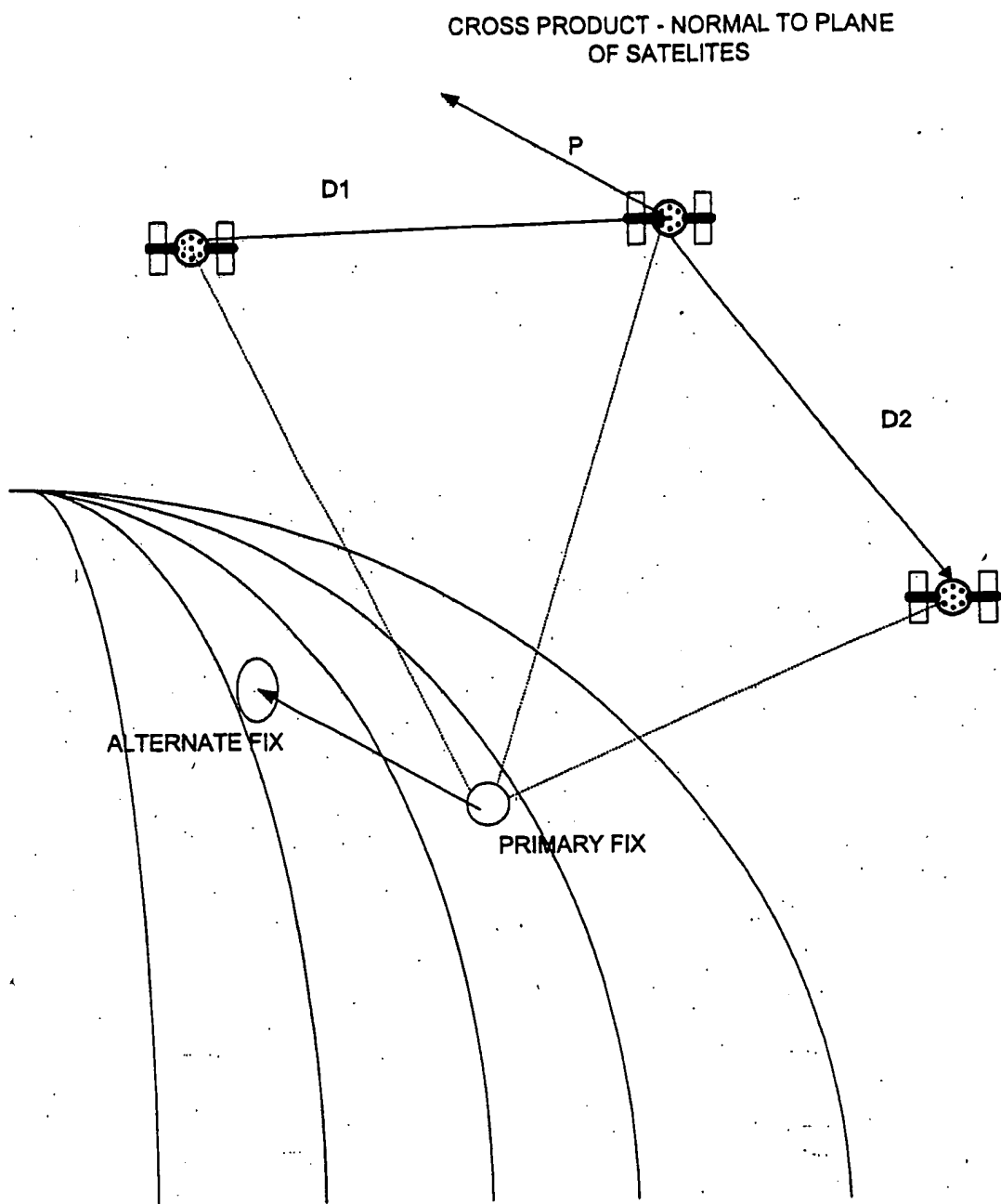
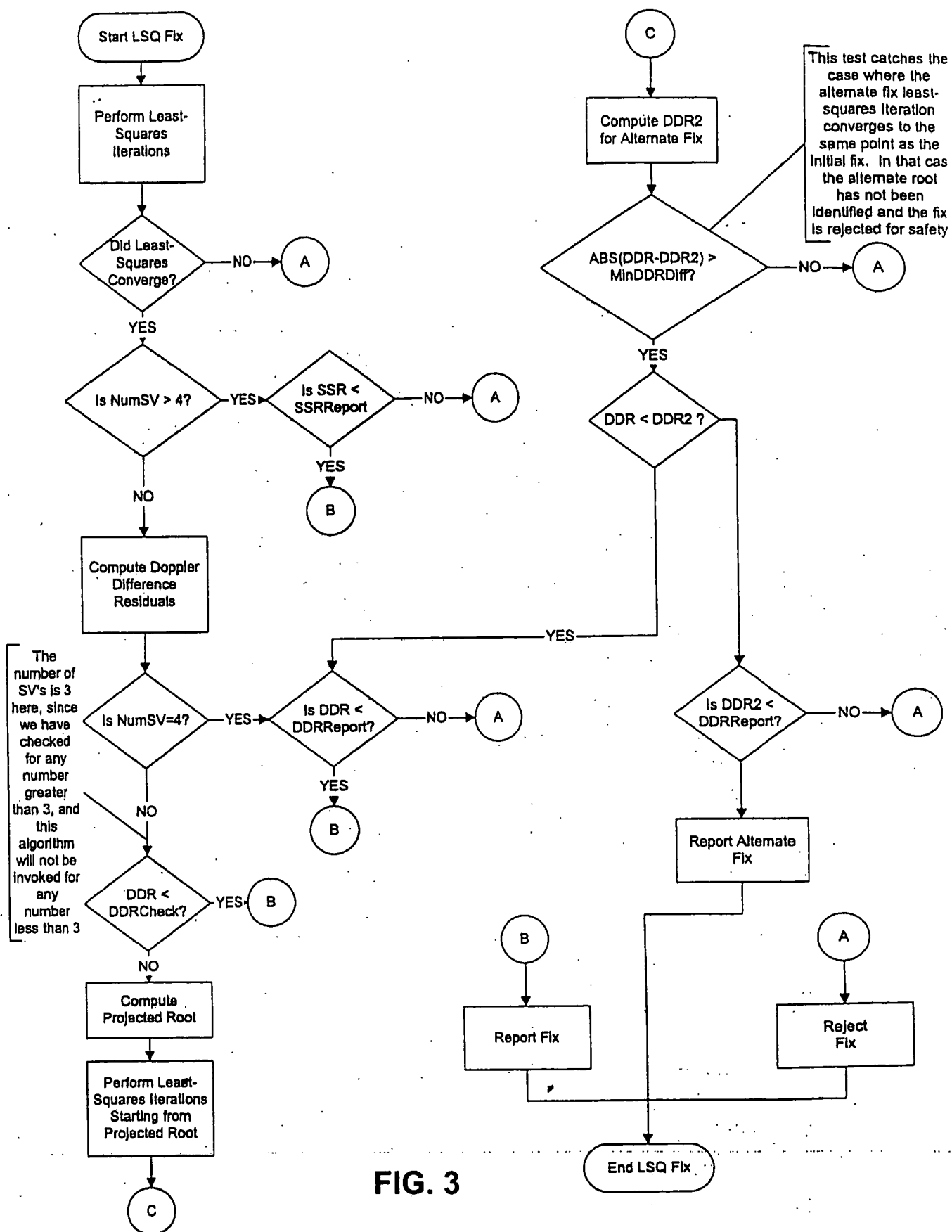


FIG. 2



**FIG. 3**

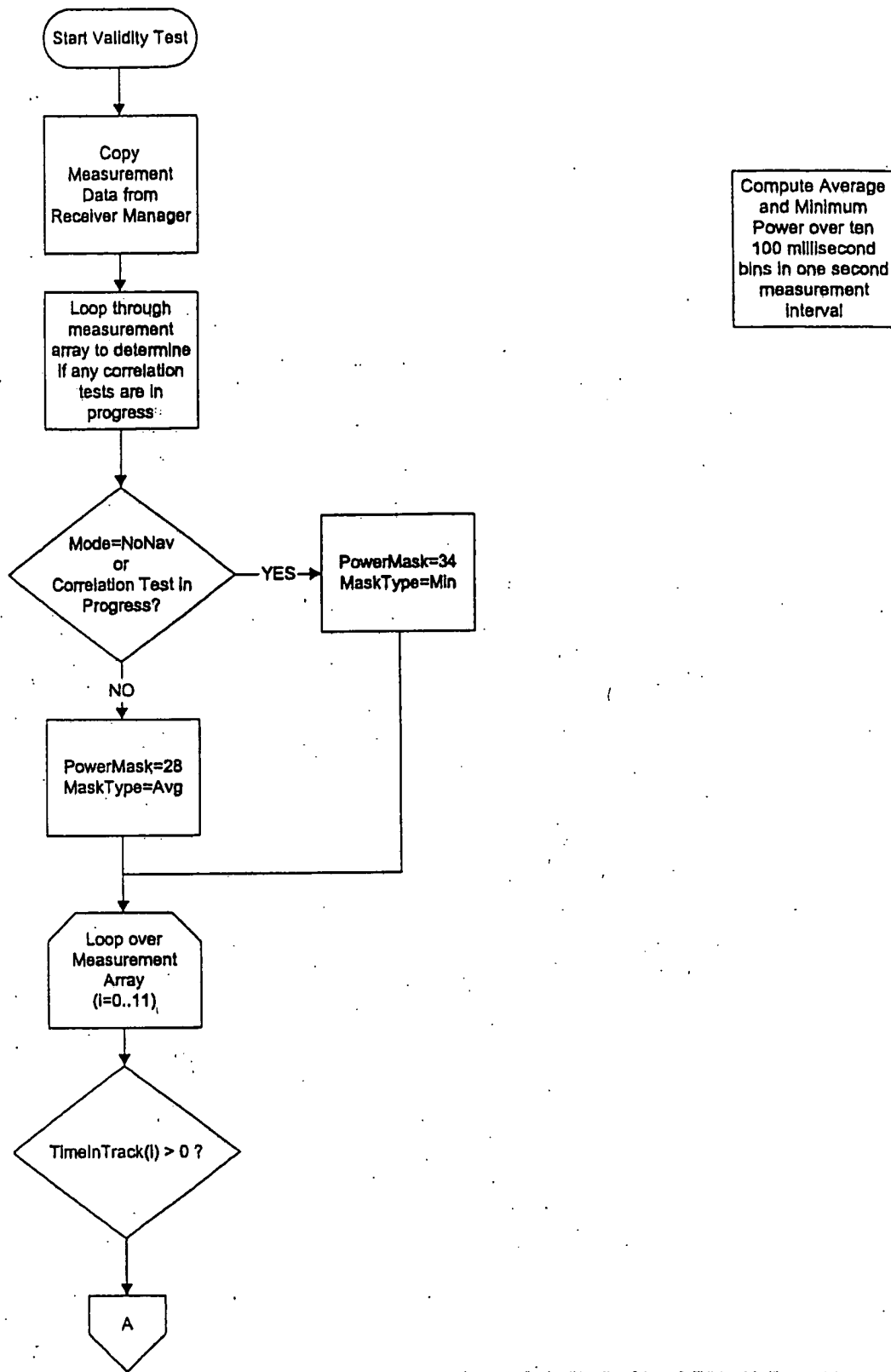


FIG. 4A

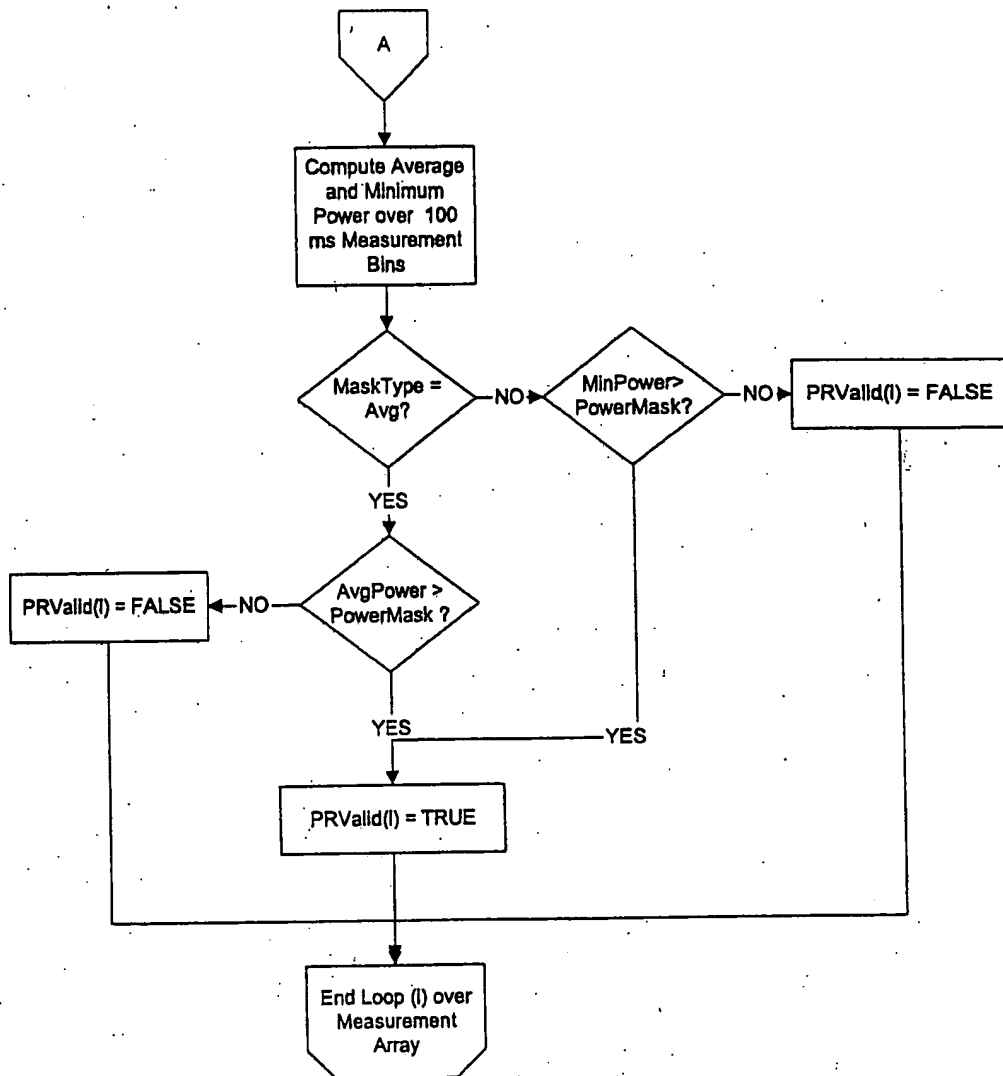
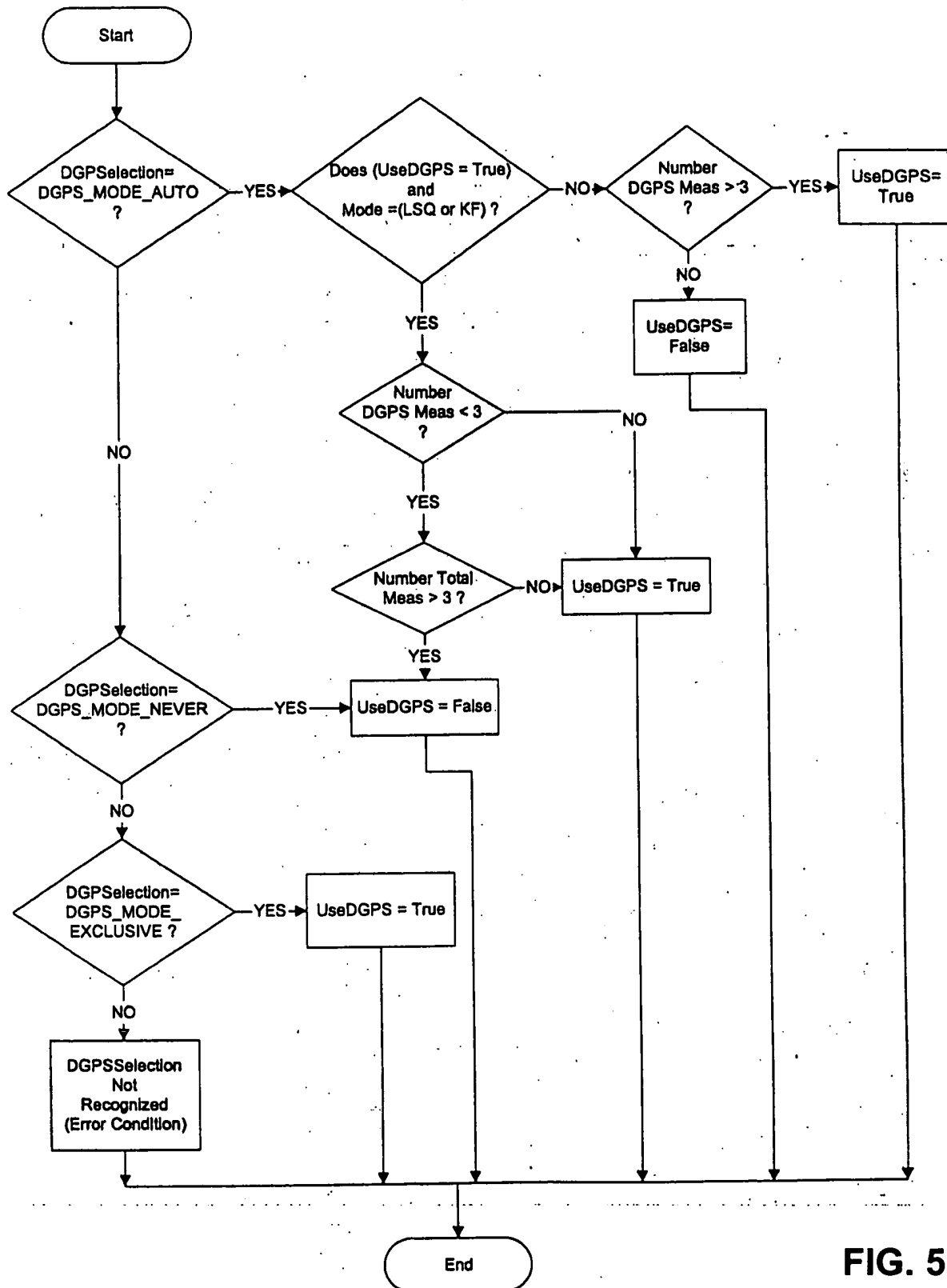


FIG. 4B

**Nav Library DGPS Mode Selection**  
**Executed before measurement processing in each navigation cycle**

Assuming Nav DGPS Degraded Timeout = 0

Start with UseDGPS = True or False from Last Nav Cycle



**FIG. 5**

# Nav Filter Degraded Modes & Dead Reckoning

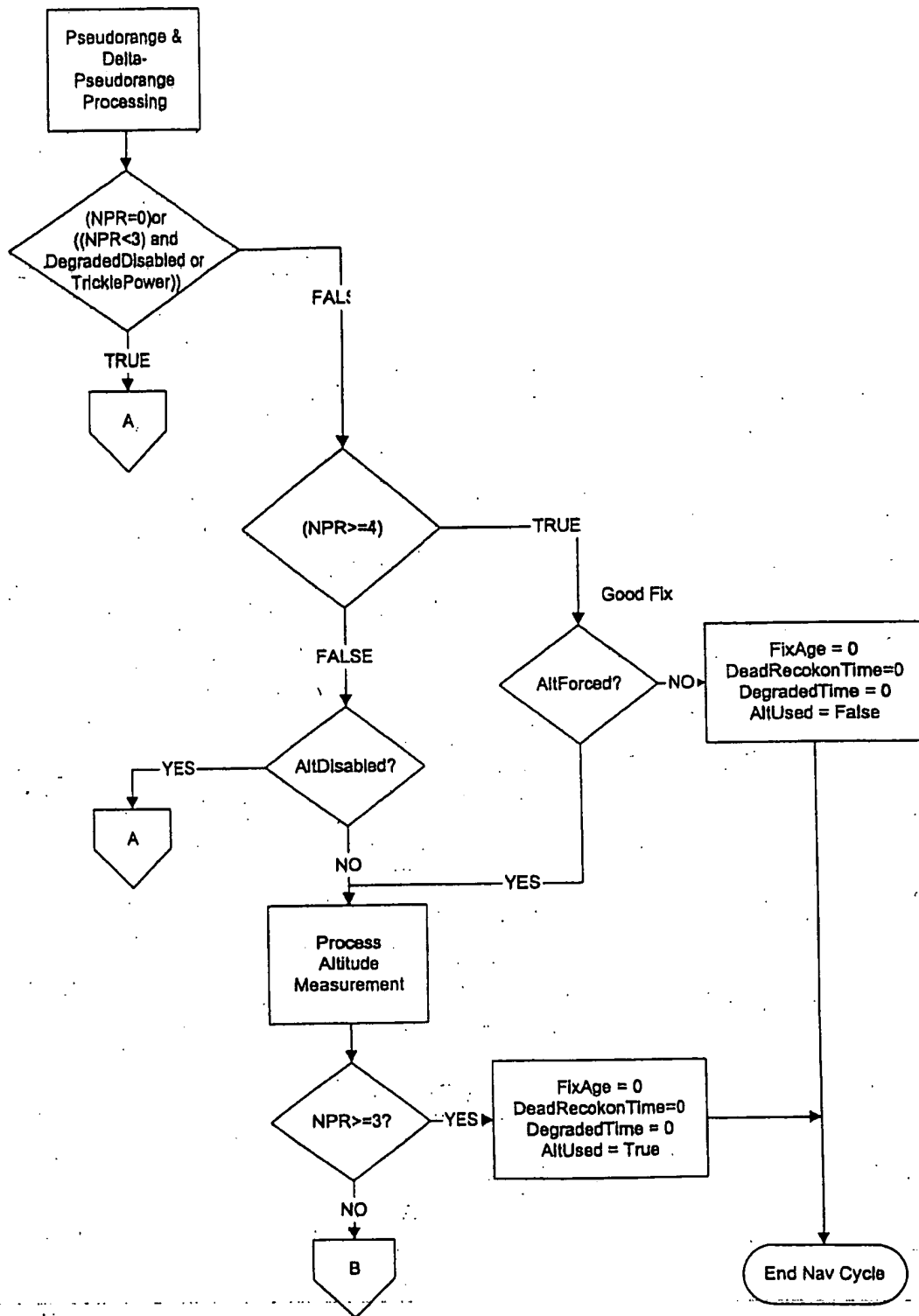
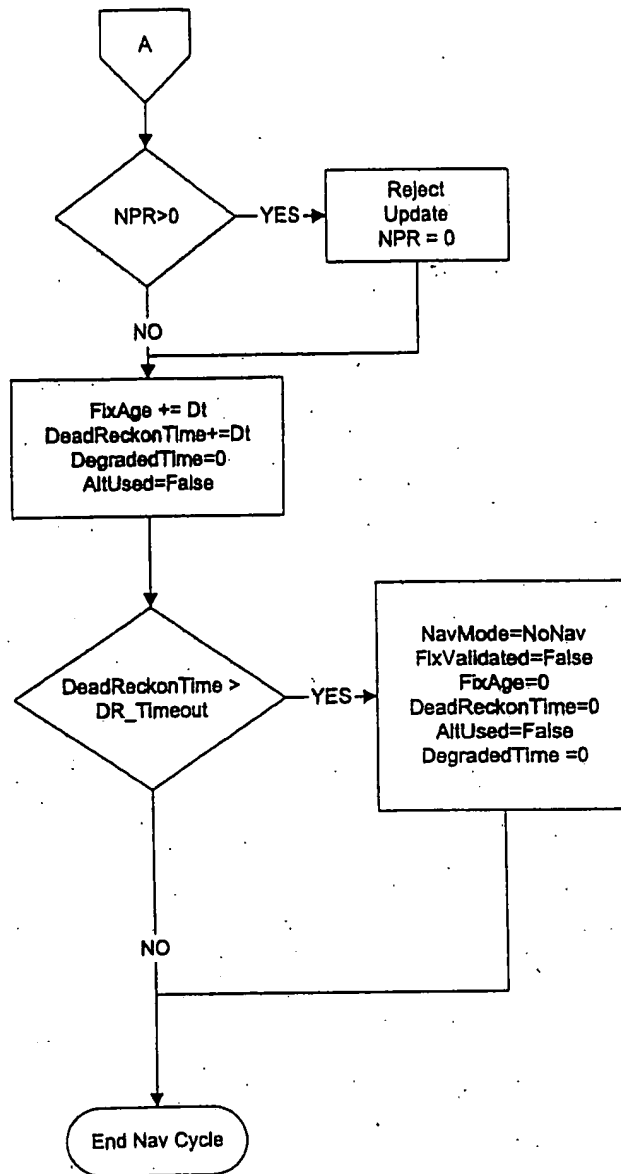


FIG. 6A

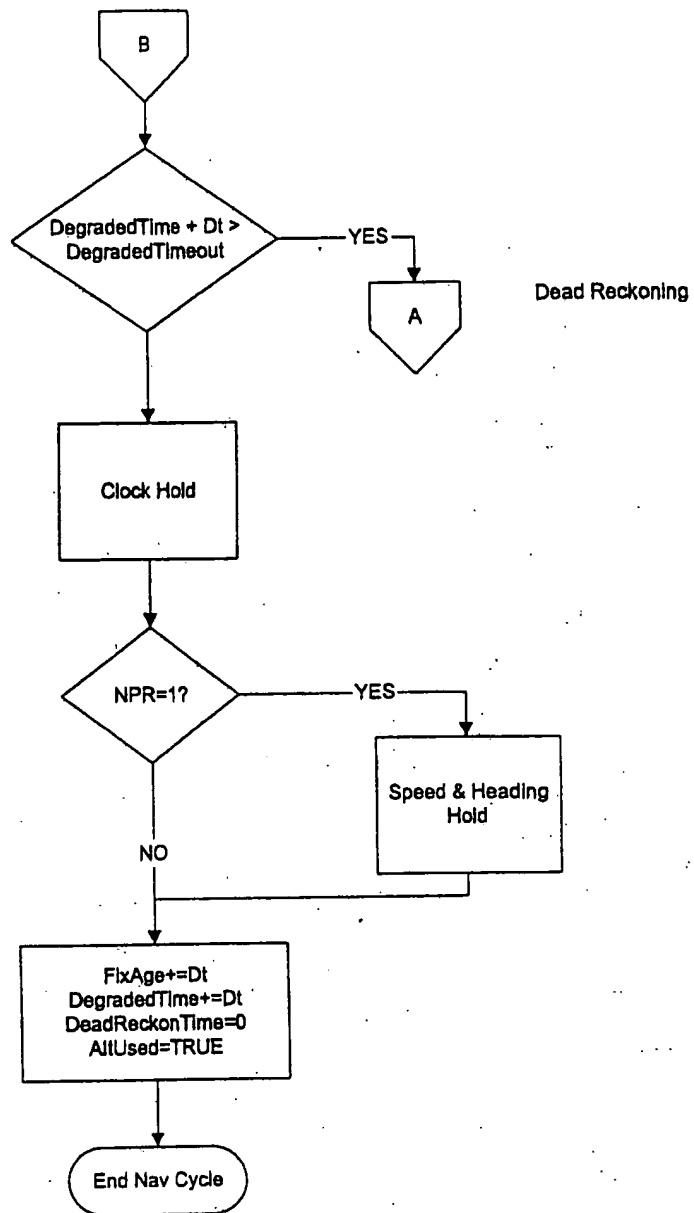
## Dead-Reckoning Filter Processing Clean-up



**FIG. 6B**

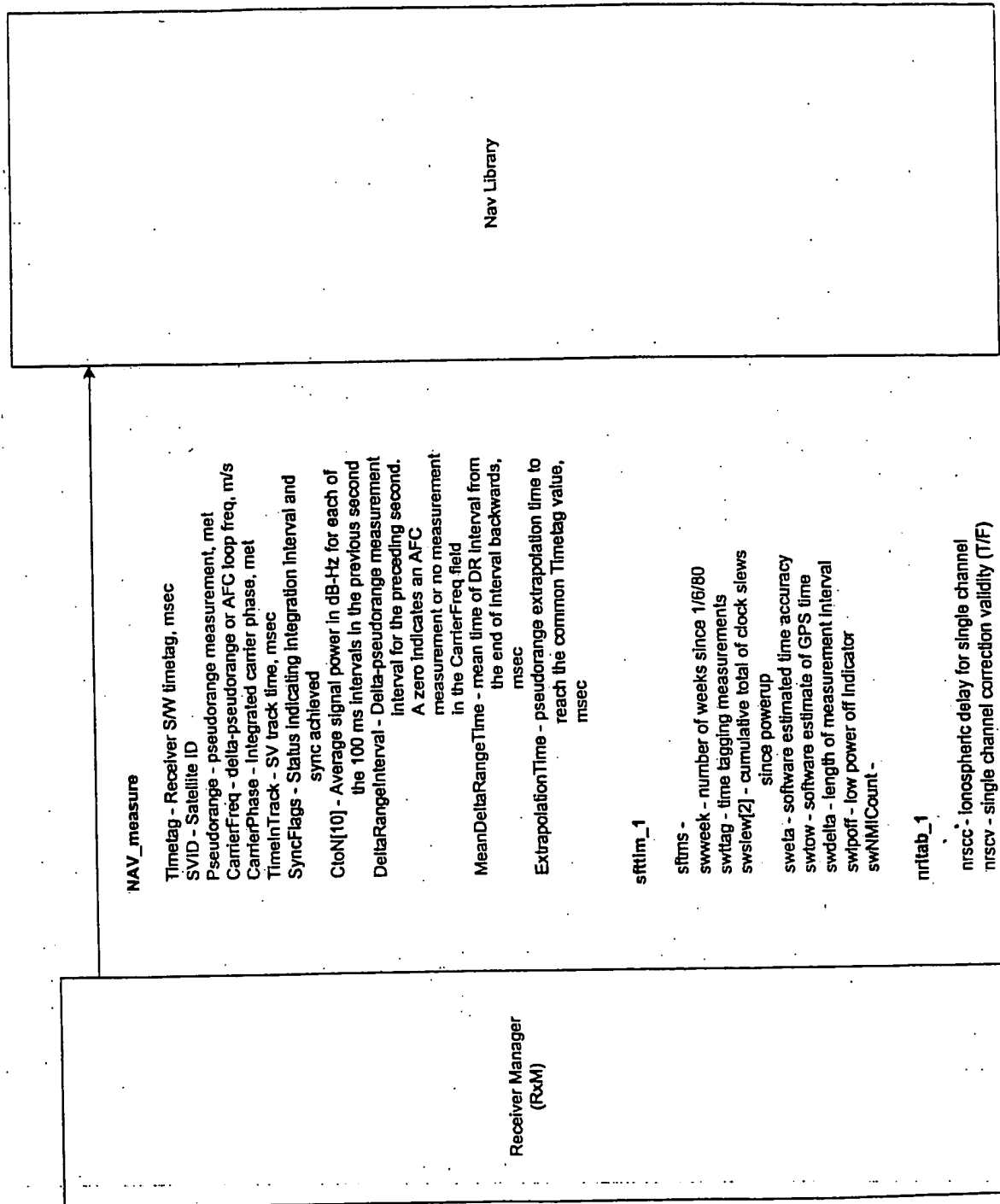


## Degraded Mode Filter Processing



**FIG. 6C**

FIG.7



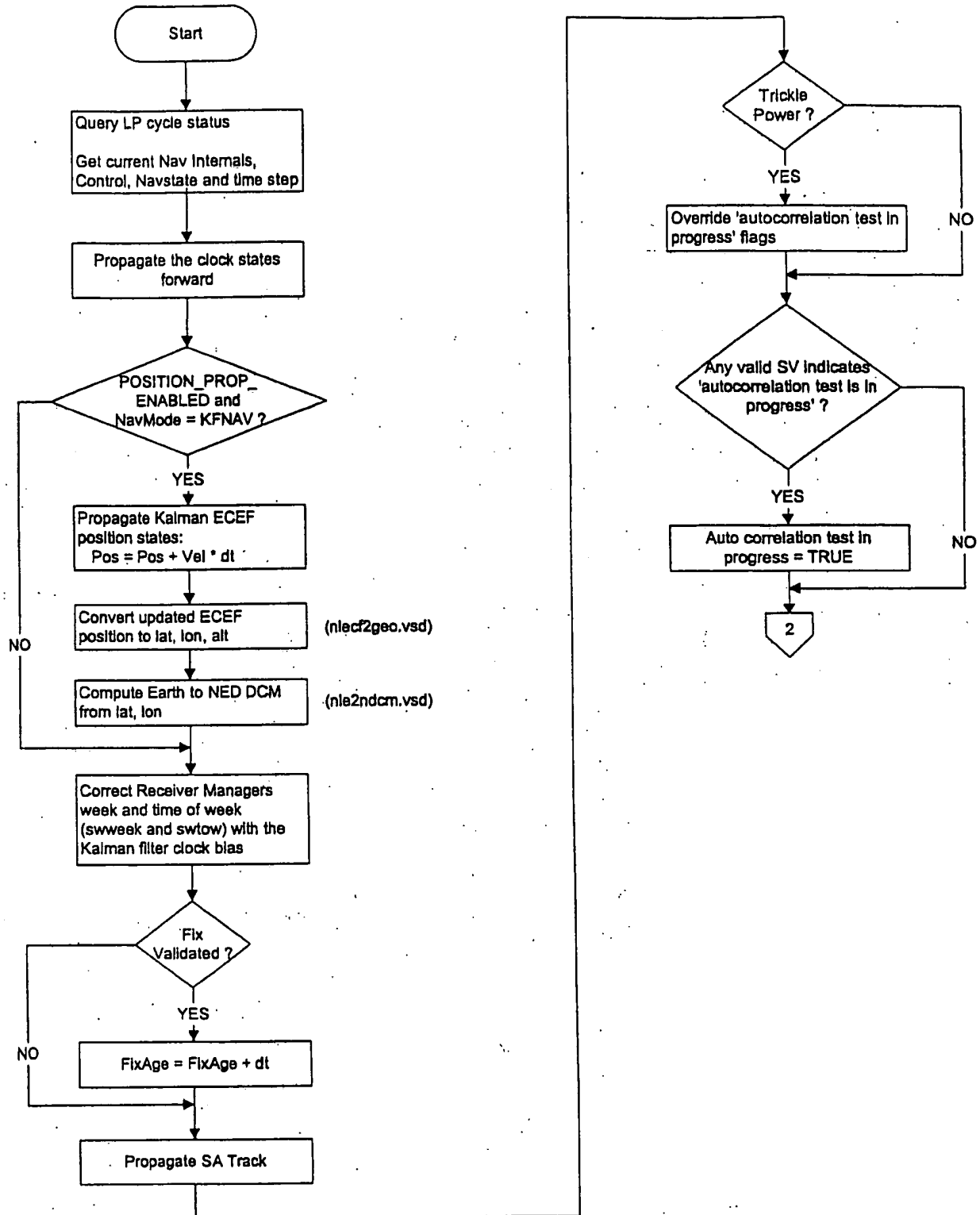


FIG. 8A

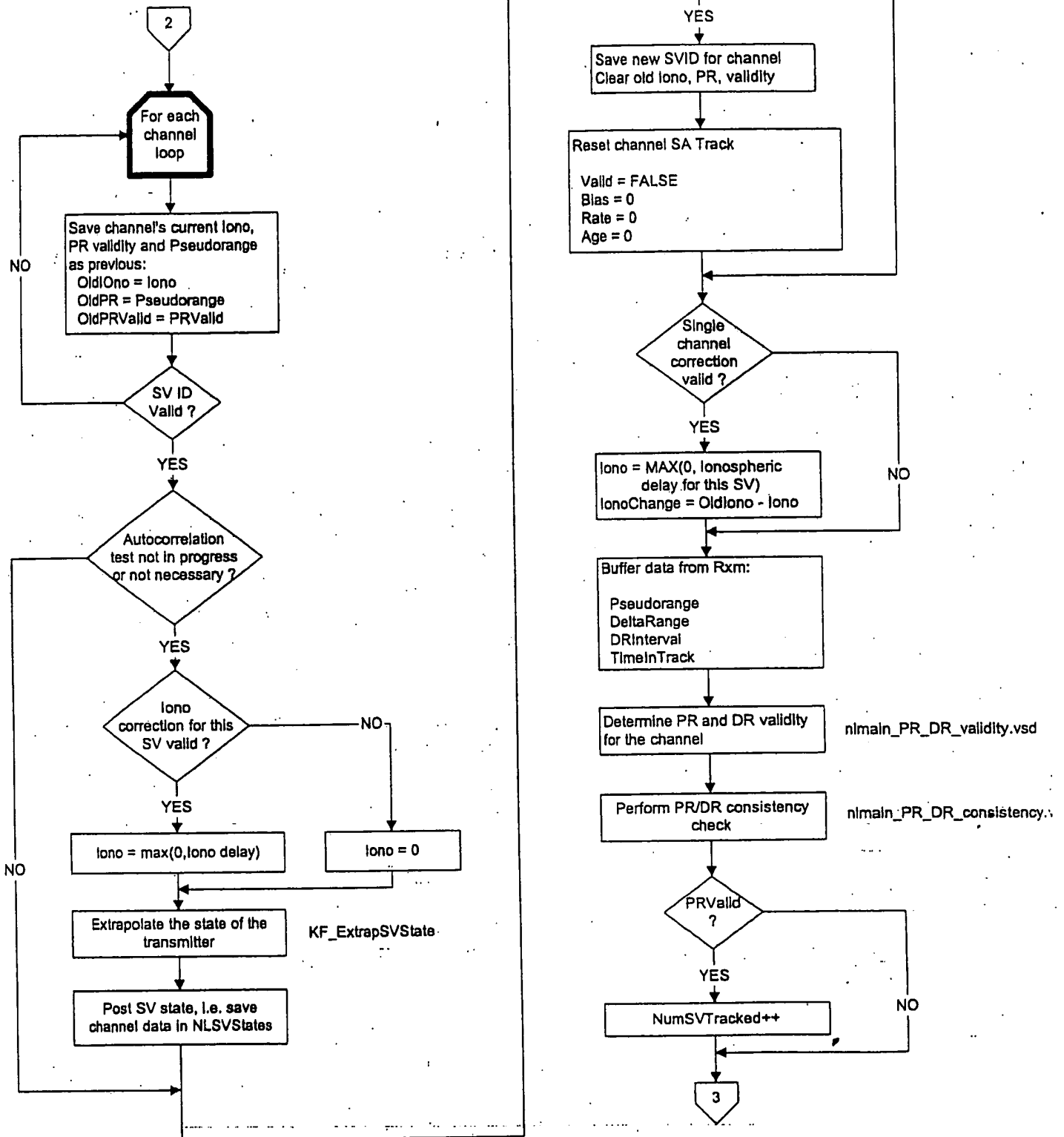


FIG. 8B

# Nav Library Main

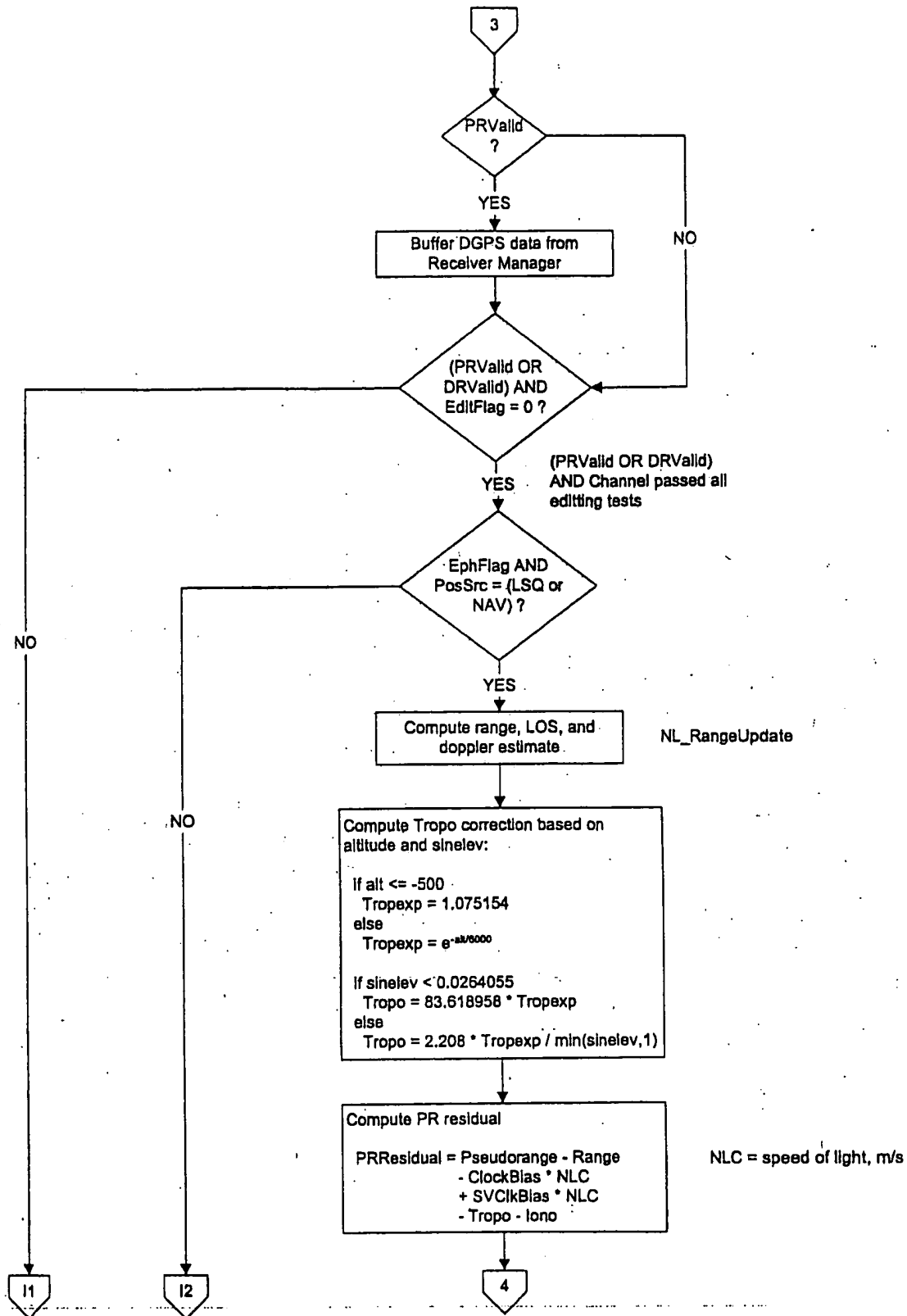


FIG. 8C

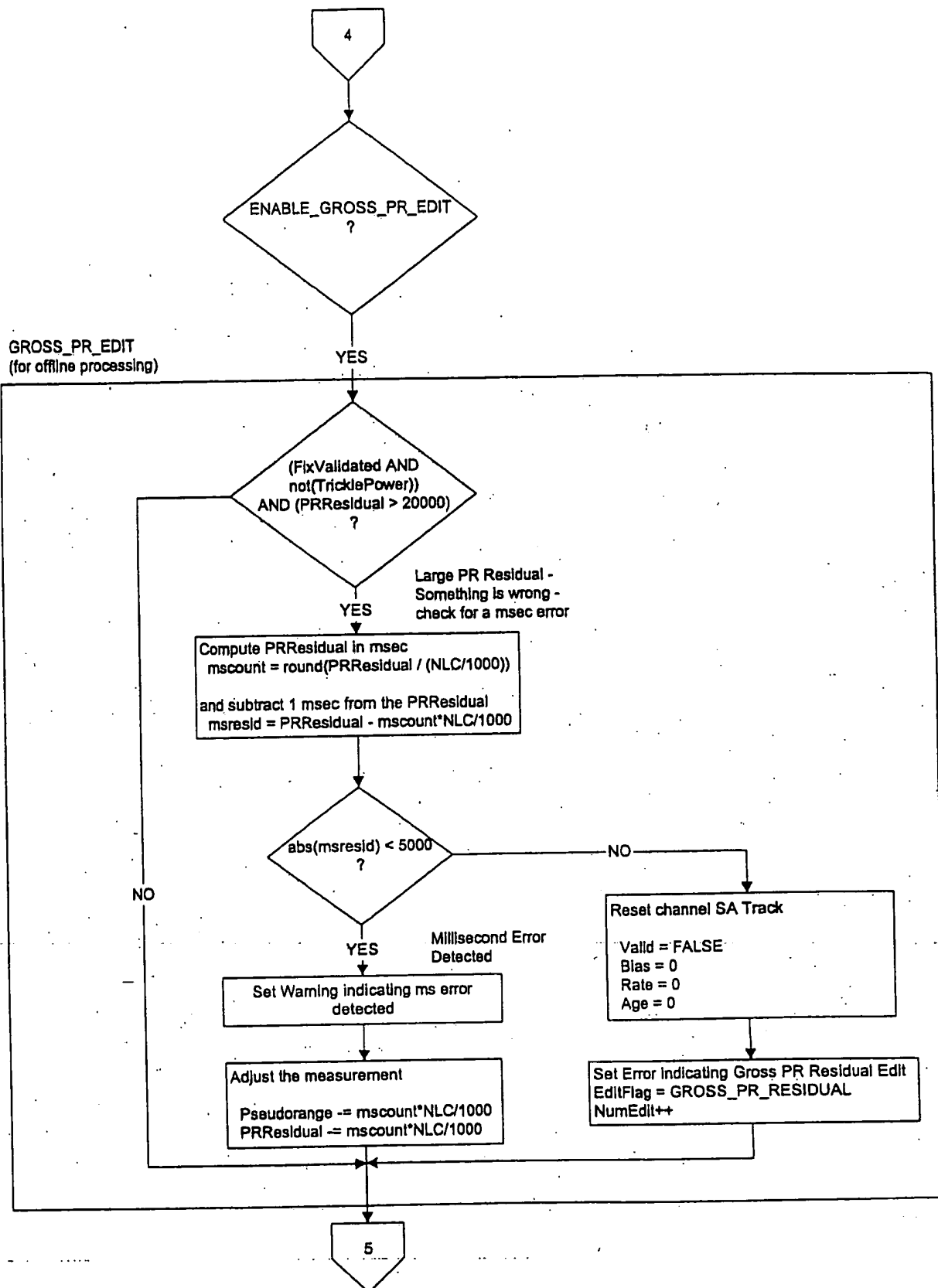


FIG. 8D

# Nav Library Main

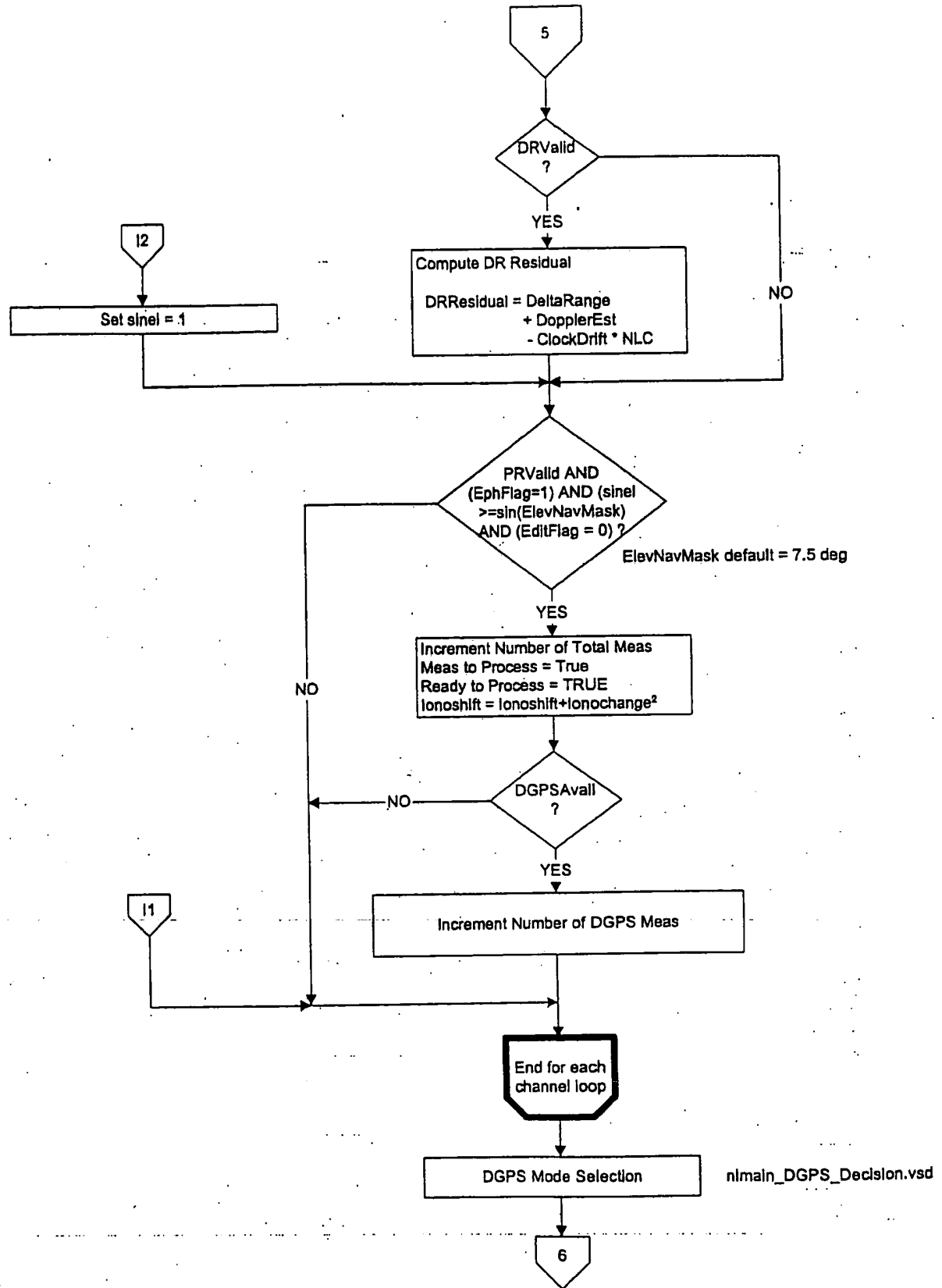


FIG. 8E

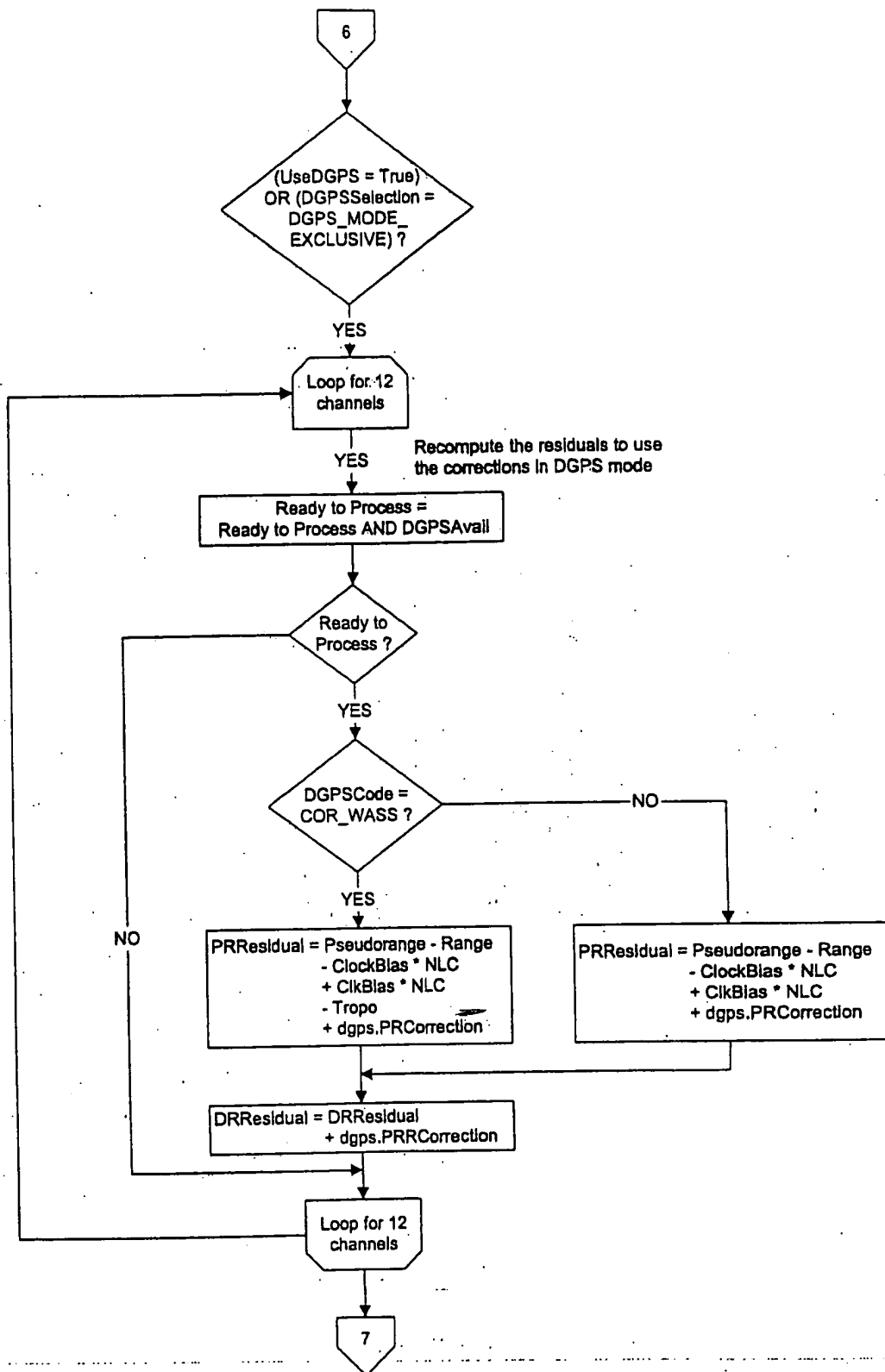
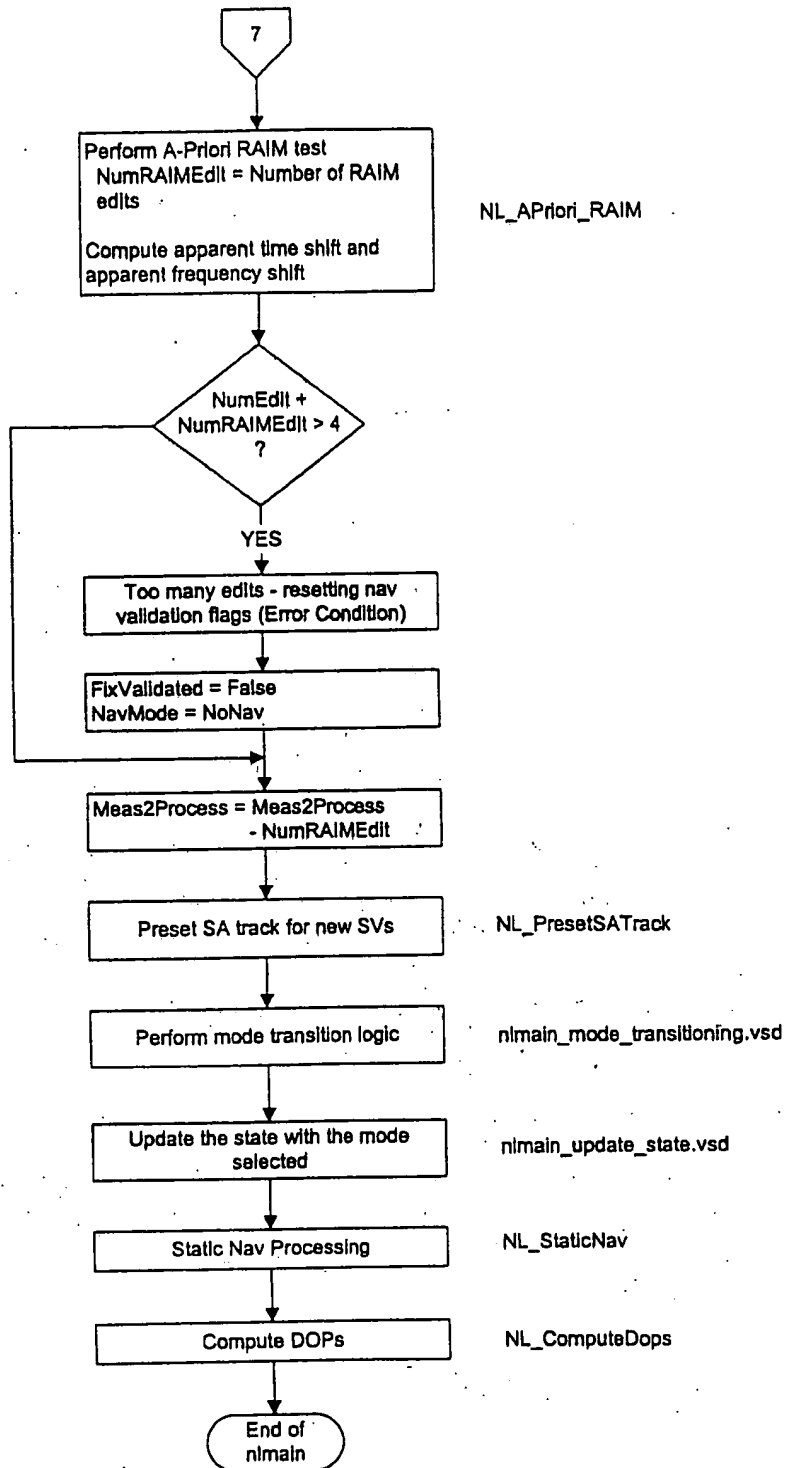


FIG. 8F



# Nav Library Main



**FIG. 8G**

# State Update

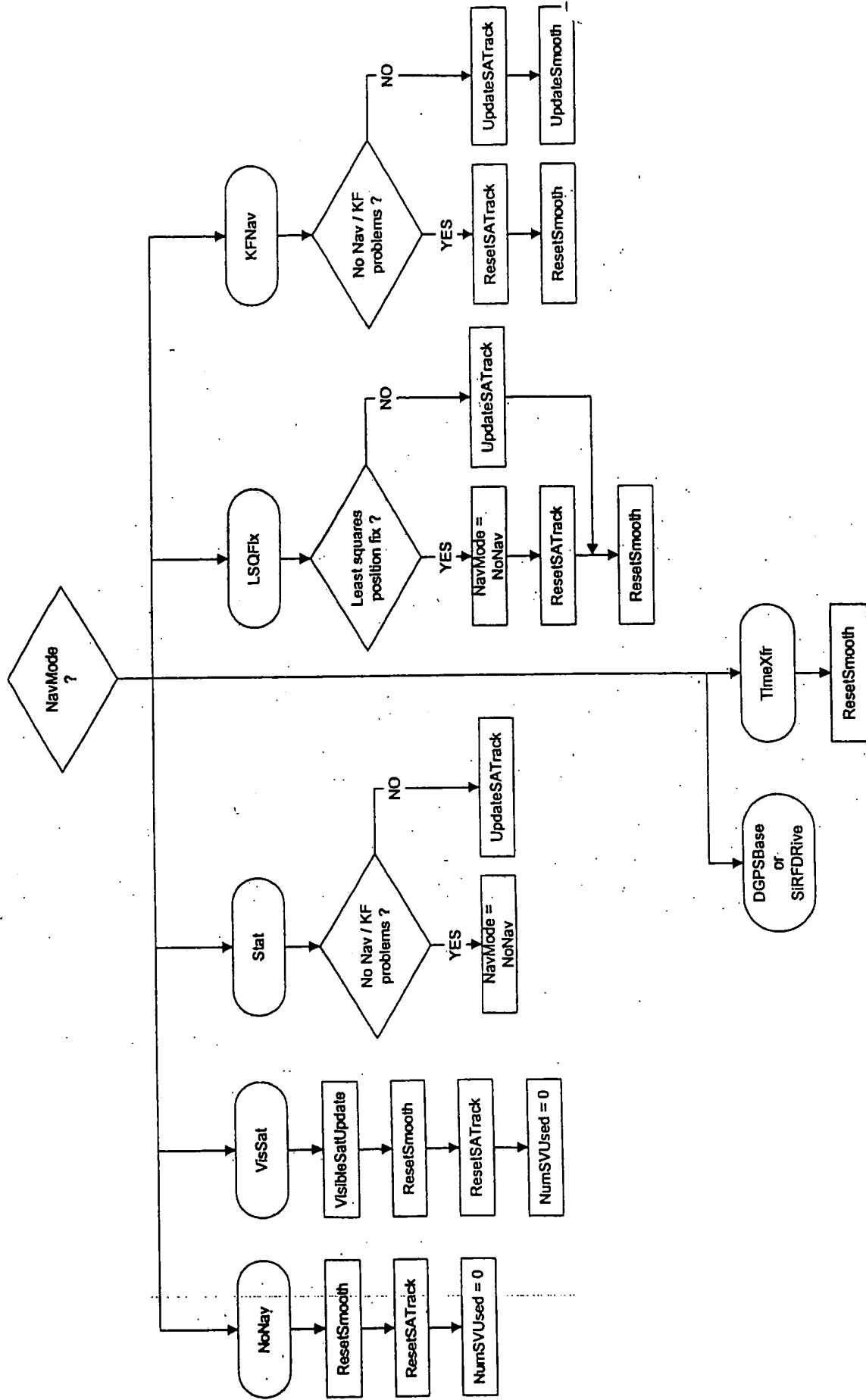


FIG. 9

# Nav Mode Transitioning

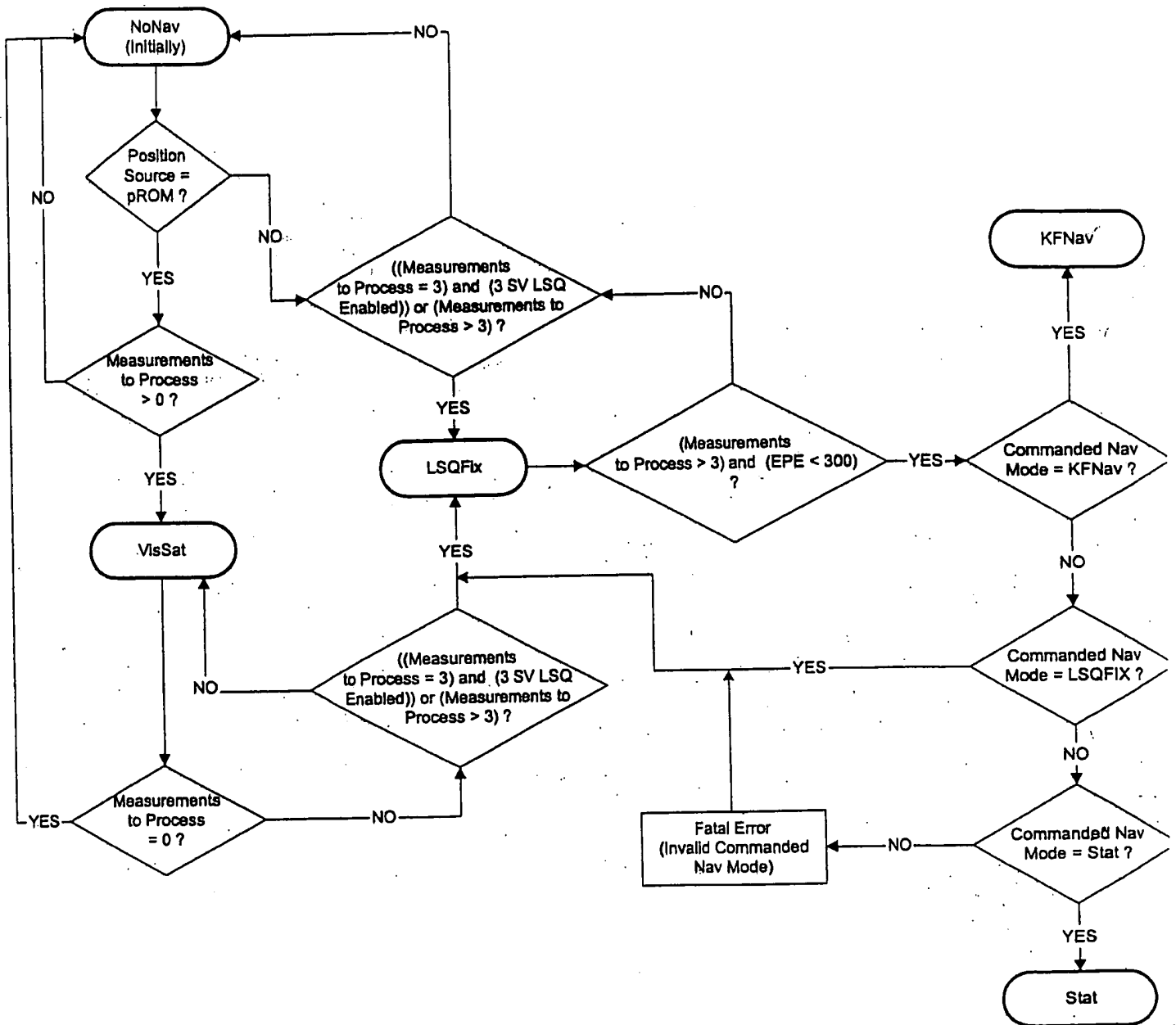


FIG.10